



MISSOURI  
DEPARTMENT OF  
NATURAL RESOURCES

## Total Maximum Daily Load Information Sheet

### Little Lost Creek Water Body ID: 3279

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#### Water Body Segment at a Glance:

**County:** Newton  
**Nearby City:** Seneca  
**Length:** 5.8 miles  
**Watershed Size:** 18.1 square miles  
**Pollutant:** *E. coli* bacteria  
**Source:** Rural nonpoint sources



#### Scheduled for TMDL development:

TMDL development schedules are subject to change.

The most current schedule for TMDL development is available on the department's website at  
[dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm](http://dnr.mo.gov/env/wpp/tmdl/wpc-tmdl-progress.htm)

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#### Description of the Problem

A water body is considered impaired when it fails to meet applicable water quality standards. Water quality standards consist of designated uses, water quality criteria, an antidegradation policy and implementation procedures. Little Lost Creek is impaired due to exceedances of water quality criteria that protect recreational uses.

#### Designated uses of Little Lost Creek\*

- Warm Water Habitat (WWH)
- Whole Body Contact Recreation Category B (WBC-B)
- Secondary Contact Recreation (SCR)
- Human Health Protection (HHP)
- Irrigation (IRR)
- Livestock and Wildlife Protection (LWP)

\*In addition to these specific uses, all waters of the state are protected by the general water quality criteria that are specified in the state's Water Quality Standards at 10 CSR 20-7.031(4).

#### Use that is impaired

- Whole Body Contact Recreation Category B (WBC-B)

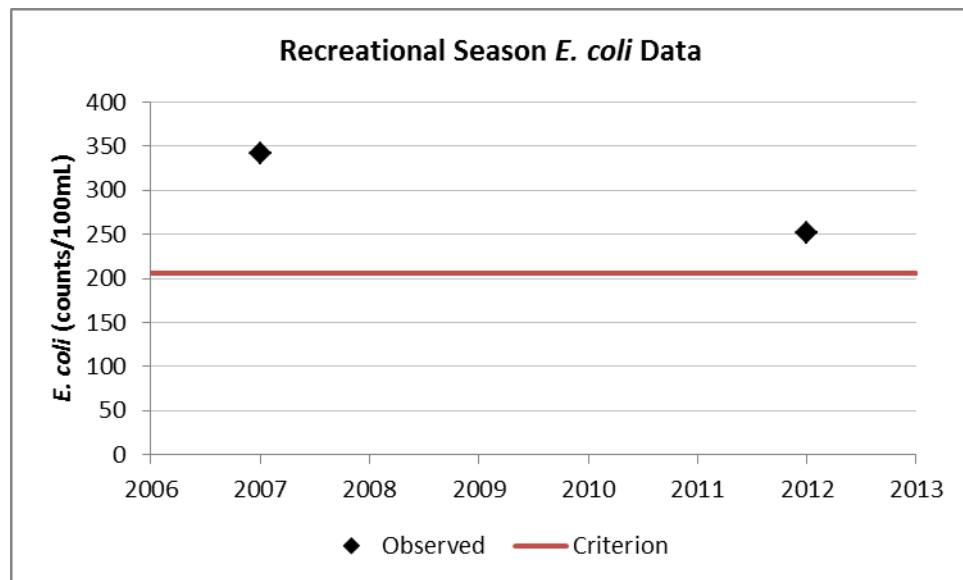
#### Criteria that apply

- Missouri's Water Quality Standards at 10 CSR 20-7.031(5)(C) and Table A state that the *E. coli* bacteria count shall not exceed 206 counts per 100 milliliters of water for Category B waters. This

count is the geometric mean during the recreational season (April 1- October 31) in waters designated for whole body contact recreation.

### Assessment and water quality data

High counts of *E. coli* are an indication of fecal contamination and an increased risk of pathogen-induced illness to humans. Infections due to pathogen-contaminated waters include gastrointestinal, respiratory, eye, ear, nose, throat and skin diseases. The department judges a stream to be impaired by bacteria if the *E. coli* criterion is exceeded in any of the last three years for which there is a minimum of five samples taken during the recreational season. In Little Lost Creek, *E. coli* data was collected in 2007 and 2012 and the criterion was exceeded in both years.



### TMDL for Little Lost Creek

The Little Lost Creek TMDL will calculate the maximum amount of each listed pollutant that the stream can receive and still meet water quality standards. The TMDL will also identify all potential or suspected pollutant sources in the watershed and distribute the allowable pollutant loads among those various sources. When developed, the Little Lost Creek TMDL will use the most current and available data. For this reason, the final TMDL may present information that differs from that contained in this information sheet.

### For more information call or write:

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Water Protection Program – Watershed Protection Section  
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Jefferson City, MO 65102-0176  
Ph: 1-800-361-4827 or 573-751-1300  
Fax: 573-526-6802  
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Program Home Page: [dnr.mo.gov/env/wpp/index.html](http://dnr.mo.gov/env/wpp/index.html)

## Map of the Little Lost Creek Watershed

